

FIG. 1

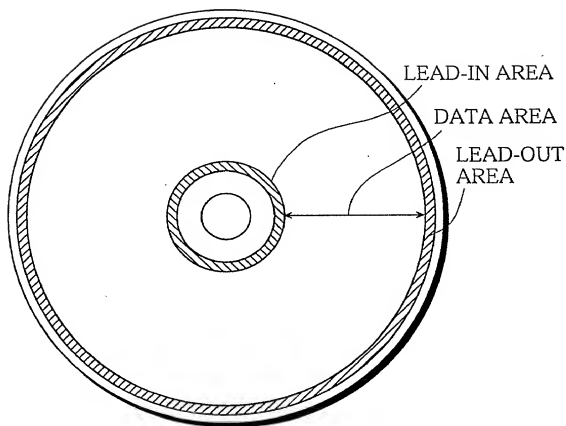


FIG. 2

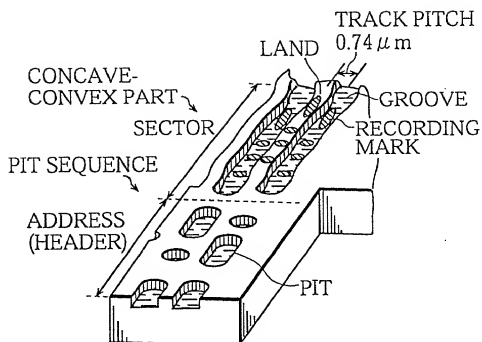


FIG. 3A

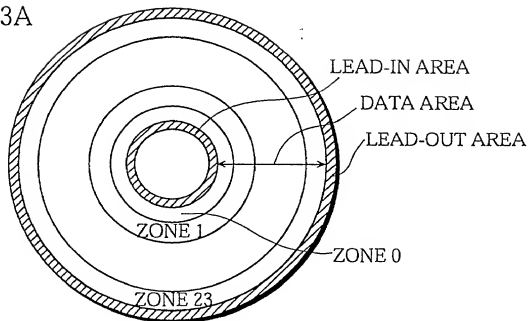


FIG. 3B

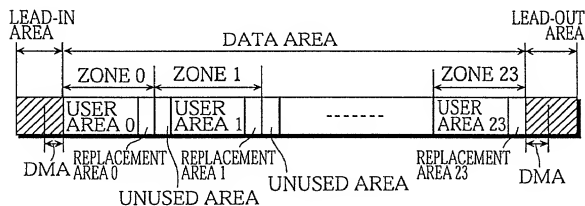


FIG. 3C

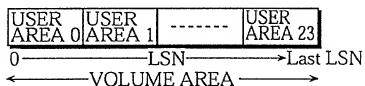


FIG. 3D

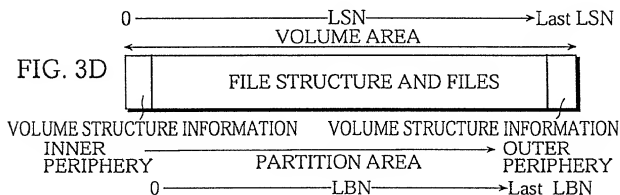


FIG. 4

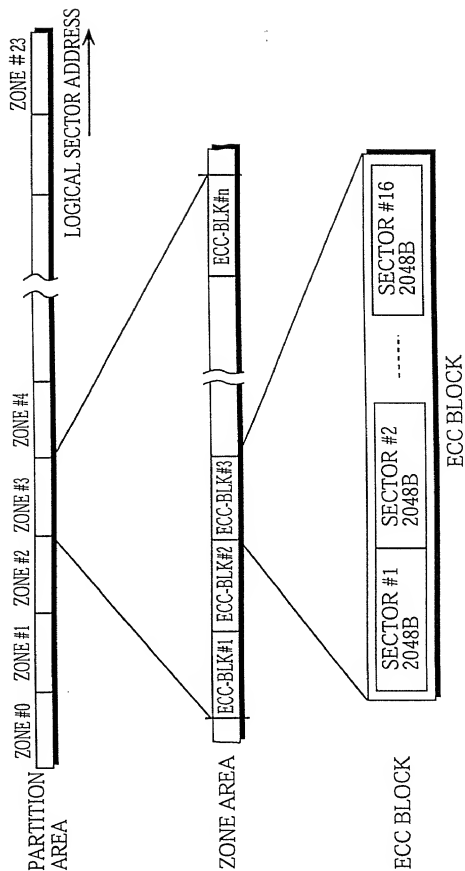


FIG. 5

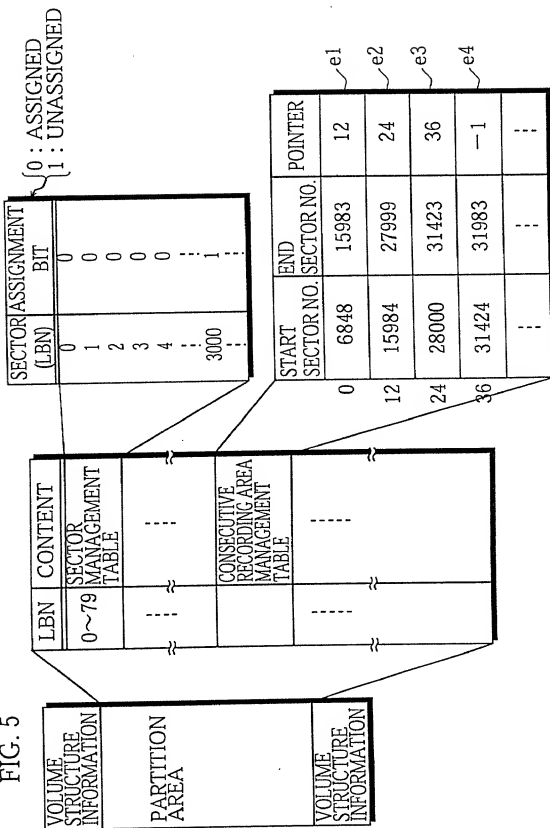


FIG. 6

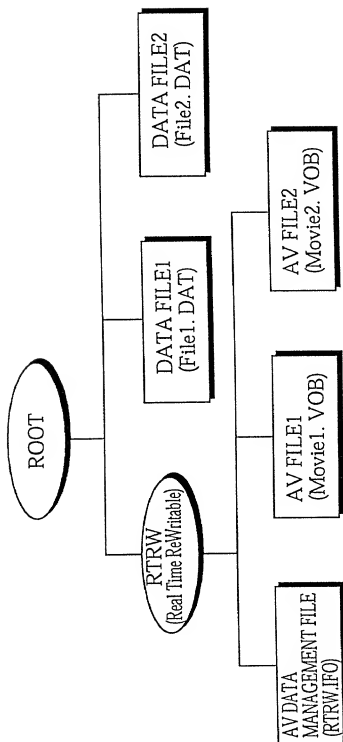


FIG. 7

AV FILES

VOB #1	(Movie1.VOB)
VOB #2	(Movie2.VOB)
⋮	
VOB #N	

FIG. 8

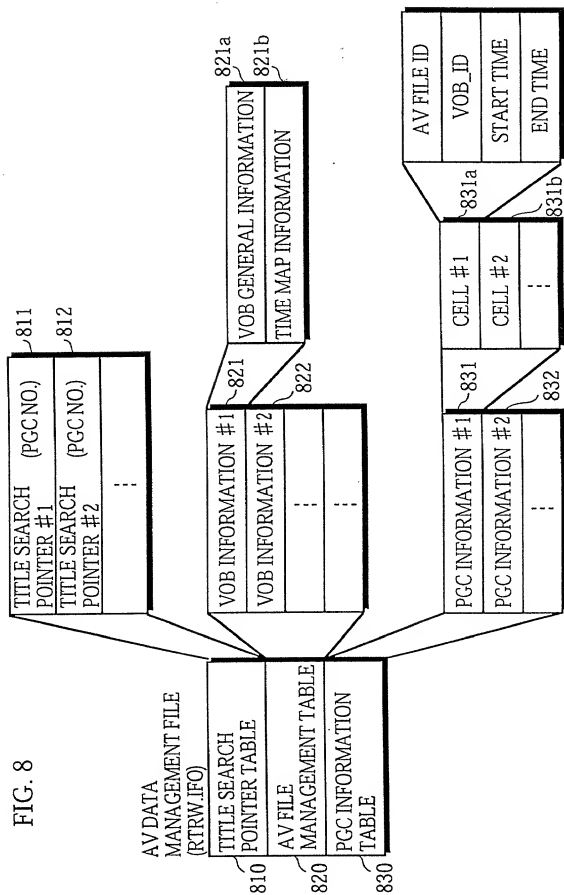


FIG. 9

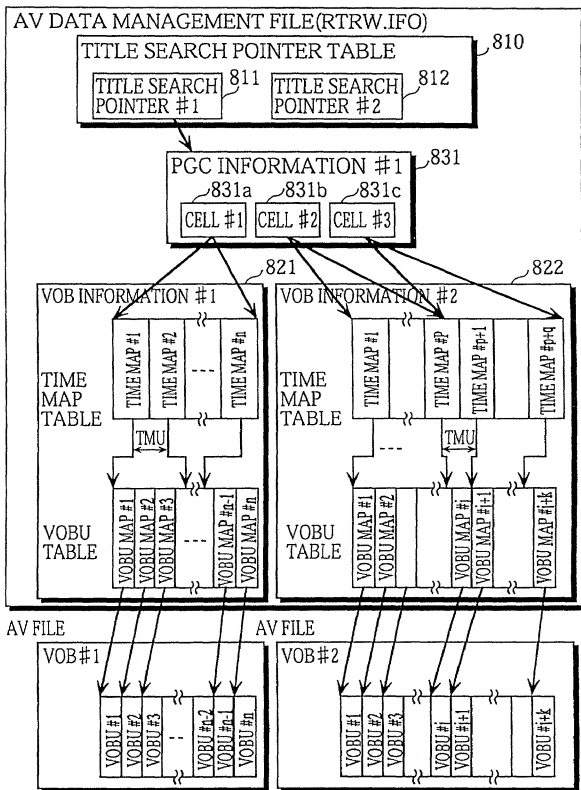
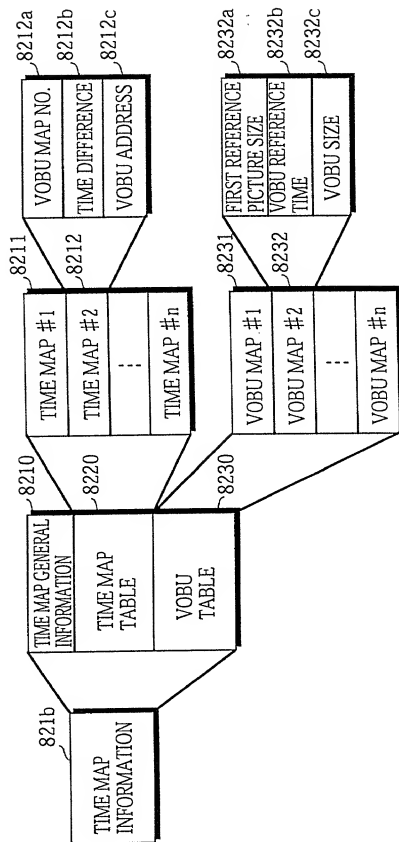


FIG. 11

FIG. 11



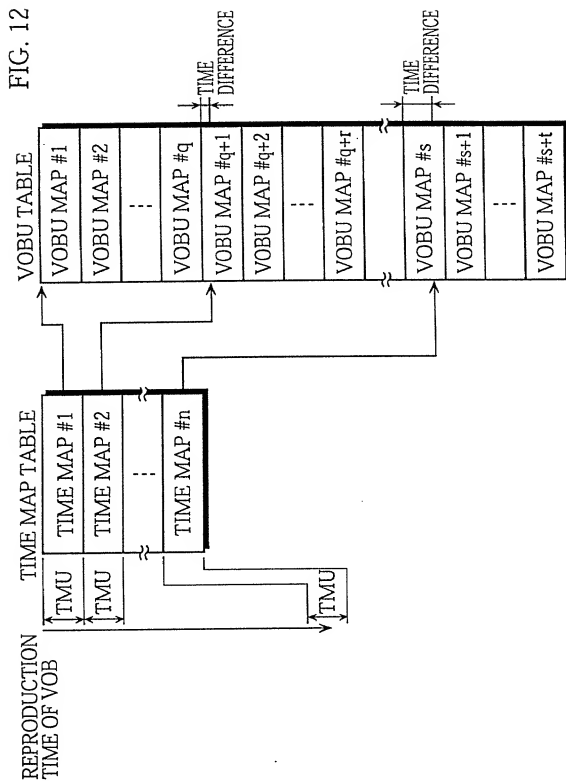
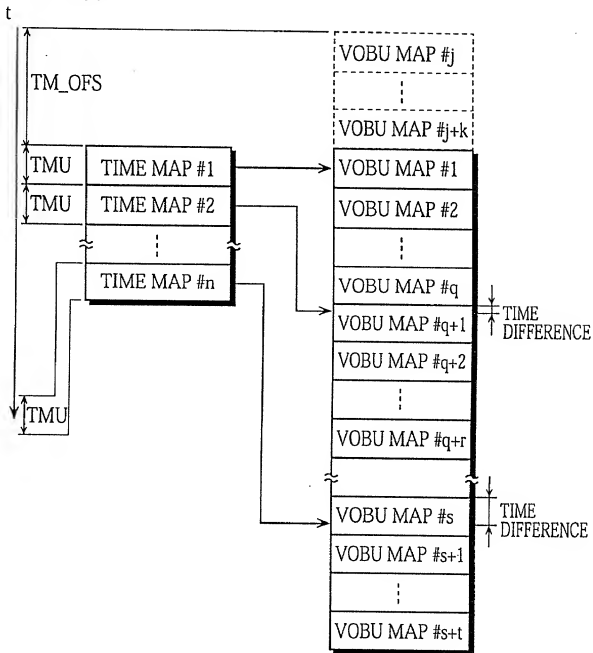
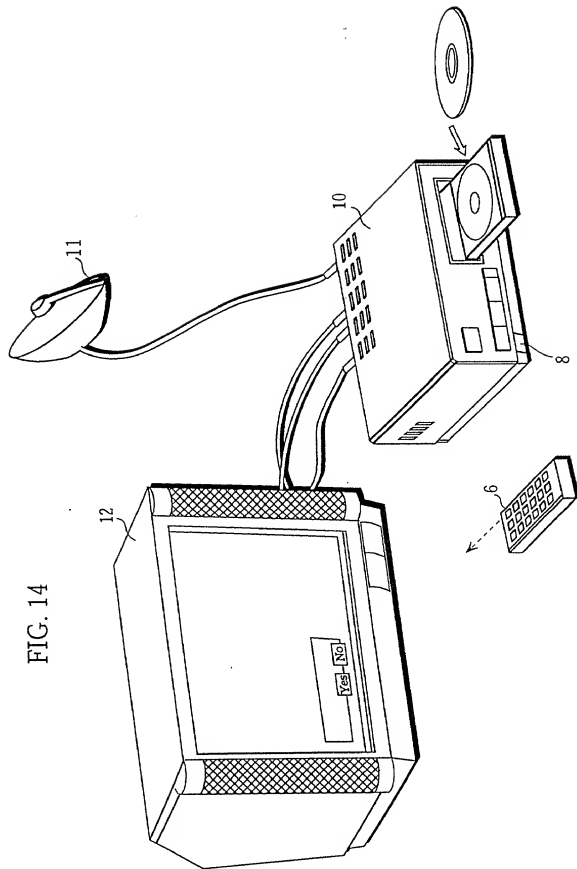


FIG. 13

REPRODUCTION
TIME OF VOB





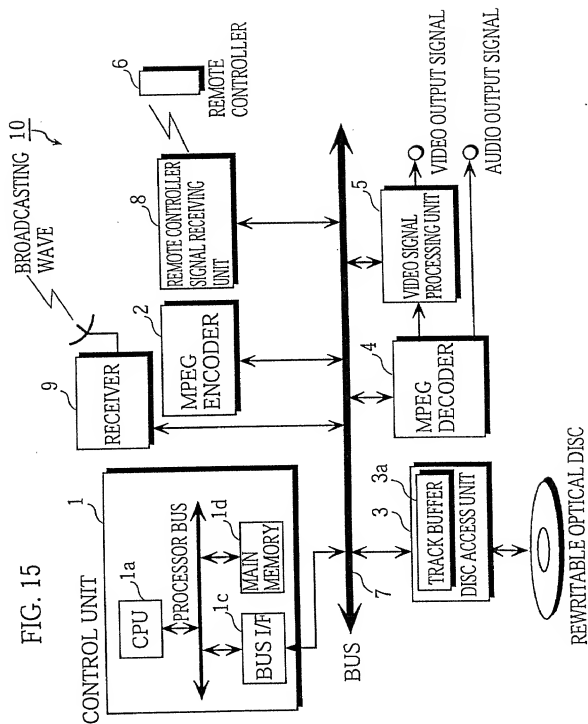
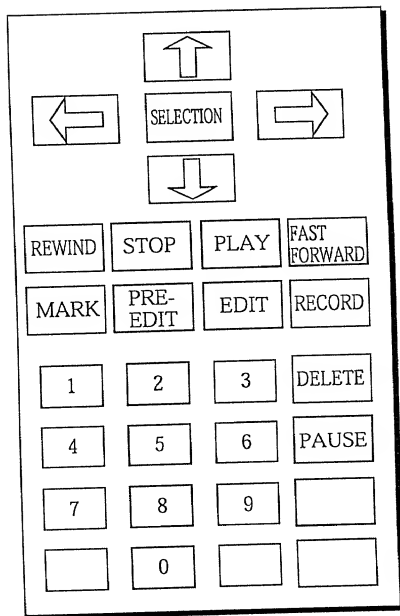
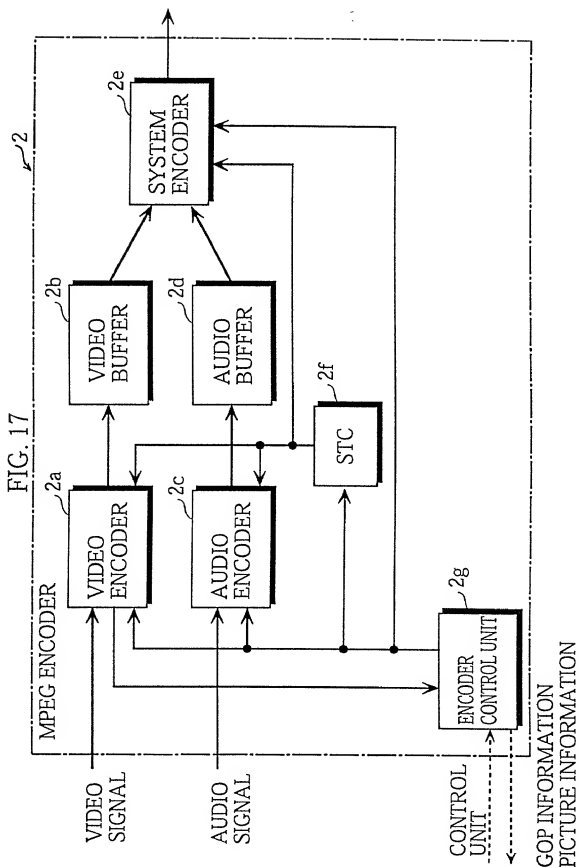


FIG. 16





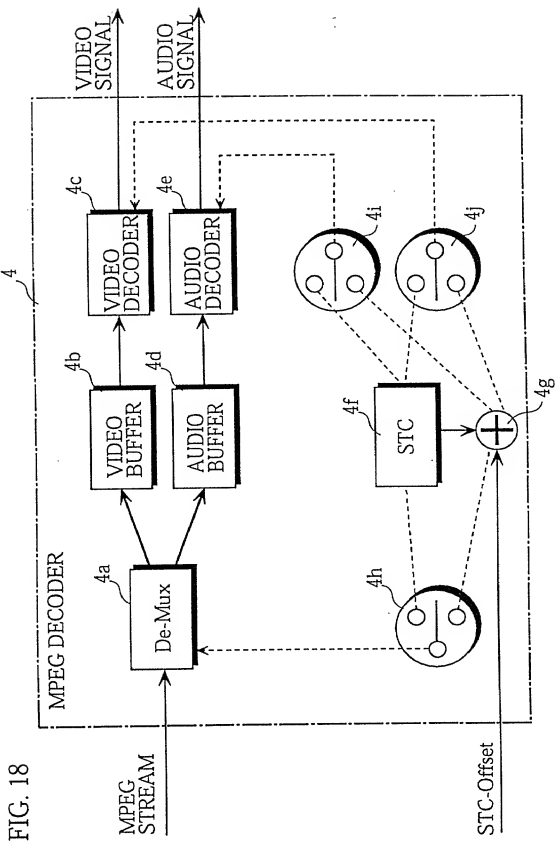


FIG. 18

FIG. 20

COMMON FILE SYSTEM UNIT 104	
CREATE	GENERATE A FILE
DELTE	DELETE A FILE
OPEN	OPEN A FILE
CLOSE	CLOSE A FILE
WRITE	WRITE A NON-AV FILE
READ	READ A FILE(COMMON TO AV AND NON-AV)
SEEK	MOVE INSIDE A DATA STREAM
RENAME	CHANGE A FILE NAME
MKDIR	GENERATE A DIRECTORY
RMDIR	REMOVE A DIRECTORY
STATS	OBTAIN A FILE SYSTEM STATE
GET-ATTR	OBTAIN A FILE ATTRIBUTE
SET-ATTR	SET A FILE ATTRIBUTE
SEARCH_DISCON	DETECT WHETHER A SPECIFIED SECTION INCLUDES A DISCONTINUOUS BOUNDARY (ZONE BOUNDARY)

AV FILE SYSTEM UNIT 103	
MERGE	MERGE OF AV FILE 1 + BUFFER + AV FILE 2
SPLIT	SPLIT AN AV FILE
SHORTEN	DELETE AN EDGE OF AV FILE
REPLACE	REPLACE A PART OF AV FILE

FIG. 21

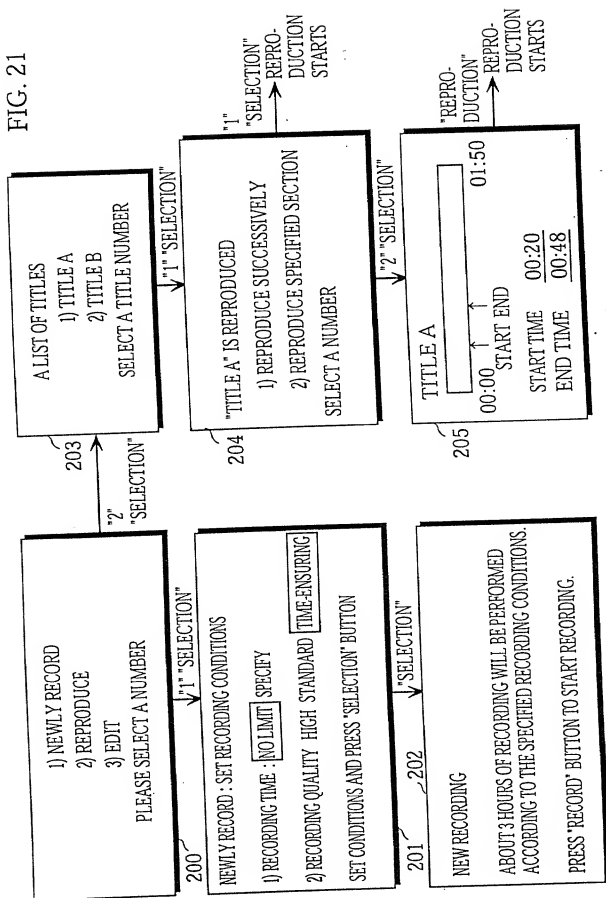


FIG. 23

VOBU NO.	NUMBER OF PACKS IN FIRST REFERENCE PICTURE IN VOBU	NUMBER OF PACKS IN VOBU
#1	14	46
#2	15	51
#3	13	49
#4	14	47
#5	14	46
#6	15	51
#7	13	49
#8	14	47
#9	14	46
#10	15	51
#11	13	49
#12	14	47
⋮	⋮	⋮
#21	15	51
#22	13	49
⋮	⋮	⋮

FIG. 24

PROCESS BY THE AV FILE MANAGEMENT
INFORMATION GENERATING UNIT 112

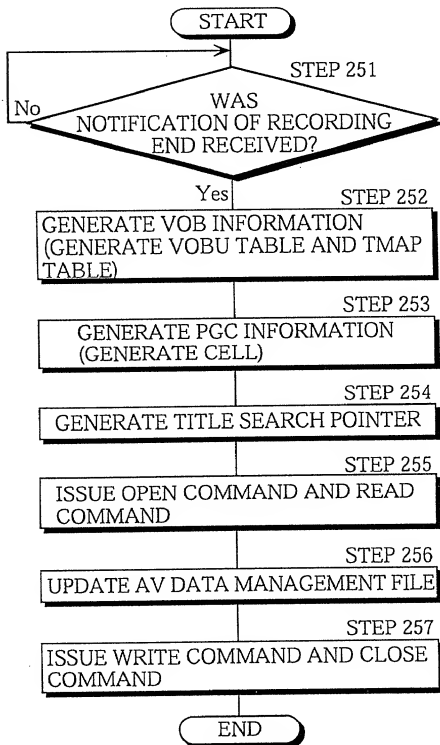


FIG. 25

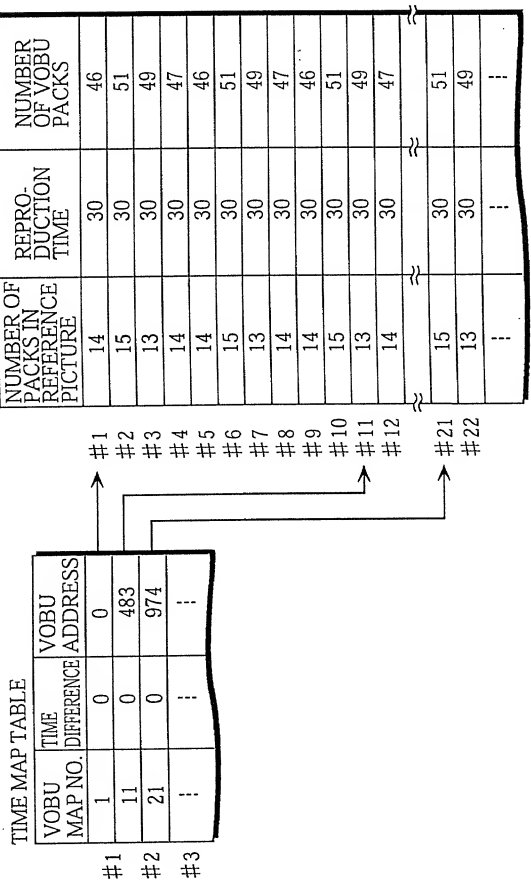


FIG. 26

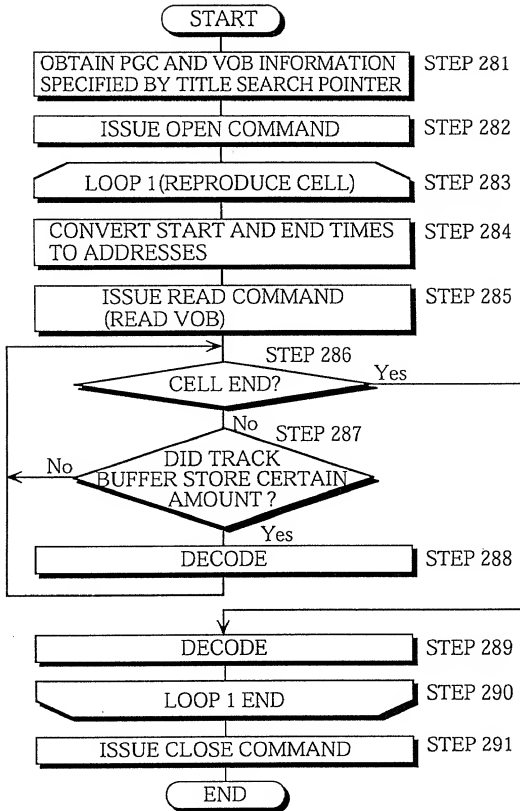


FIG. 27

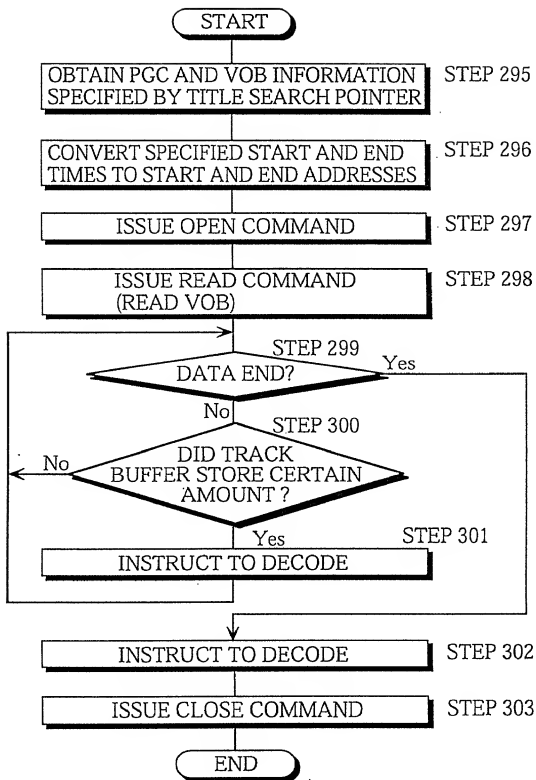


FIG. 28

